

Tuesday, May 15, 2012

Attn: Mr. Darrick Jones Leggette, Brashears & Graham 6 Executive Drive Farmington CT 06030

Project ID: SATIN

Sample ID#s: BB79929 - BB79946

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information Custody Information Date Time Matrix: **SOLID** Collected by: MS 05/01/12 13:20 **Location Code:** LBG-PCB Received by: LB 05/02/12 14:55

Analyzed by: Rush Request: Standard see "By" below

> **Laboratory Data** SDG ID: GBB79929

Phoenix ID: BB79929

SATIN Project ID: N-17 0-1

P.O.#:

Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	96 Completed		%	05/02/12 05/04/12		JL */*	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	0.52	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	129		%	05/08/12		MH	30 - 150 %
% TCMX	100		%	05/08/12		MH	30 - 150 %

Page 1 of 36 Ver 1 Project ID: SATIN Phoenix I.D.: BB79929
Client ID: N-17 0-1

Parameter Result RL Units Date Time By Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 15, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Custody InformationDateTimeCollected by:MS05/01/1213:22Received by:LB05/02/1214:55

Analyzed by: see "By" below

Laboratory Data

SDG ID: GBB79929

Phoenix ID: BB79930

Project ID: SATIN

Client ID: N-17 1-2

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	91		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	117		%	05/08/12		MH	30 - 150 %
% TCMX	97		%	05/08/12		MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB79930 Client ID: N-17 1-2

Parameter Result RL Units Date Time By Reference

Comments:

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: **SOLID Location Code:** LBG-PCB Rush Request: Standard

P.O.#:

Custody Information Collected by: MS 05/01/12 05/02/12

Received by: LB Analyzed by: see "By" below

Laboratory Data

SDG ID: GBB79929

Time

13:24

14:55

Phoenix ID: BB79931

Date

SATIN Project ID: N-17 5-6 Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	75		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.42	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.42	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.42	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.42	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.42	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.42	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.42	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.42	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.42	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	105		%	05/08/12		MH	30 - 150 %
% TCMX	78		%	05/08/12		MH	30 - 150 %

Page 5 of 36 Ver 1 Project ID: SATIN Phoenix I.D.: BB79931
Client ID: N-17 5-6

Parameter Result RL Units Date Time By Reference

Comments:

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID Location Code: LBG-PCB Rush Request: Standard

P.O.#:

Custody InformationDateTimeCollected by:MS05/01/1213:26Received by:LB05/02/1214:55

Analyzed by: see "By" below

Laboratory Data

SDG ID: GBB79929

Phoenix ID: BB79932

Project ID: SATIN

Client ID: N-17 6-7

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	26		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.64	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.64	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.64	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.64	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.64	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.64	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.64	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.64	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.64	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	83		%	05/08/12		MH	30 - 150 %
% TCMX	66		%	05/08/12		MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB79932 Client ID: N-17 6-7

Parameter Result RL Units Date Time By Reference

Comments:

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May 15, 2012

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Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID Location Code: LBG-PCB Rush Request: Standard

P.O.#:

Custody InformationDateTimeCollected by:MS05/01/1212:04Received by:LB05/02/1214:55

Analyzed by: see "By" below

Laboratory Data

SDG ID: GBB79929

Phoenix ID: BB79933

Project ID: SATIN

Client ID: N-18 0-1

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	91 Completed		%	05/02/12 05/04/12		JL */*	E160.3 SW3540C
PCB (Soxhlet)	Completed			03/04/12		,	30000
PCB-1016	ND	0.36	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	125		%	05/08/12		MH	30 - 150 %
% TCMX	100		%	05/08/12		MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB79933
Client ID: N-18 0-1

Parameter Result RL Units Date Time By Reference

Comments:

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Custody InformationDateTimeCollected by:MS05/01/1212:06Received by:LB05/02/1214:55

Analyzed by: see "By" below

Laboratory Data

SDG ID: GBB79929

Phoenix ID: BB79934

Project ID: SATIN

Client ID: N-18 1-2

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	92		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1.7	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	18	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	05/08/12		MH	30 - 150 %
% TCMX	Diluted Out		%	05/08/12		MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB79934
Client ID: N-18 1-2

Parameter Result RL Units Date Time By Reference

Comments:

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May 15, 2012

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

<u>Custody Information</u> <u>Date</u>
Collected by: MS 05/01/12

Received by: LB
Analyzed by: see "By" below

Laboratory Data

SDG ID: GBB79929

Time

12:08

14:55

Phoenix ID: BB79935

05/02/12

Project ID: SATIN

Client ID: N-18 2-2.5

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	86		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	76		%	05/08/12		MH	30 - 150 %
% TCMX	79		%	05/08/12		МН	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB79935

Units

Date

Time

By

Reference

Client ID: N-18 2-2.5 RL

Comments:

Parameter

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Result

Phyllis/Shiller, Laboratory Director

May 15, 2012

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: **SOLID Location Code:** LBG-PCB Standard

Rush Request:

P.O.#:

Custody Information Collected by: MS

Received by: Analyzed by: LB

05/01/12

Date

12:10

Time

05/02/12 14:55

Laboratory Data SDG ID: GBB79929 Phoenix ID: BB79936

see "By" below

SATIN Project ID:

Client ID: N-18 5-5.4

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	28 Completed		%	05/02/12 05/04/12		JL */*	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.58	mg/Kg	05/09/12		МН	3540C/8082
PCB-1221	ND	0.58	mg/Kg	05/09/12		MH	3540C/8082
PCB-1232	ND	0.58	mg/Kg	05/09/12		MH	3540C/8082
PCB-1242	ND	0.58	mg/Kg	05/09/12		MH	3540C/8082
PCB-1248	ND	0.58	mg/Kg	05/09/12		MH	3540C/8082
PCB-1254	ND	0.58	mg/Kg	05/09/12		MH	3540C/8082
PCB-1260	0.83	0.58	mg/Kg	05/09/12		MH	3540C/8082
PCB-1262	ND	0.58	mg/Kg	05/09/12		MH	3540C/8082
PCB-1268	ND	0.58	mg/Kg	05/09/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	106		%	05/09/12		MH	30 - 150 %
% TCMX	77		%	05/09/12		MH	30 - 150 %

Page 15 of 36 Ver 1 Project ID: SATIN Phoenix I.D.: BB79936 Client ID: N-18 5-5.4

Parameter Result RL Units Date Time By Reference

Comments:

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Matrix: **SOLID** Collected by: MS 05/01/12 05/02/12

Location Code: LBG-PCB Received by: LB

Analyzed by: Rush Request: Standard see "By" below P.O.#:

Laboratory Data SDG ID: GBB79929

Phoenix ID: BB79937

Time

11:56

14:55

SATIN Project ID:

N-19 0.4-1 Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	92		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	78		%	05/08/12		MH	30 - 150 %
% TCMX	89		%	05/08/12		MH	30 - 150 %

Page 17 of 36 Ver 1 Project ID: SATIN Phoenix I.D.: BB79937

RL

Units

Date

Time

Ву

Reference

Client ID: N-19 0.4-1

Comments:

Parameter

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Result

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May 15, 2012

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

see "By" below

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: **SOLID Location Code:** LBG-PCB Standard

Rush Request:

P.O.#:

Custody Information Collected by: MS

Received by:

Analyzed by:

LB

05/01/12

Date

12:00 14:55

Time

05/02/12

Laboratory Data SDG ID: GBB79929 Phoenix ID: BB79938

SATIN Project ID:

N-19 5-5.5 Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	26		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.6	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.6	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.6	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.6	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.6	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.6	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.6	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.6	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.6	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	62		%	05/08/12		MH	30 - 150 %
% TCMX	81		%	05/08/12		MH	30 - 150 %

Page 19 of 36 Ver 1 Project ID: SATIN Phoenix I.D.: BB79938

Client ID: N-19 5-5.5

Parameter Result RL Units Date Time By Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 15, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:MS05/01/1211:46

Location Code: LBG-PCB Received by: LB 05/02/12 14:55

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB79929

Phoenix ID: BB79939

Project ID: SATIN

P.O.#:

Client ID: N-20 0.3-1

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	90		%	05/02/12		JL	E160.3
Soil Extraction SVOA BN	Completed			05/09/12		RB/F	SW3545
Extraction of CT ETPH	Completed			05/09/12		BS/F	3545
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
TPH by GC (Extractable Produ	ucts)						
Ext. Petroleum HC	7700	220	mg/Kg	05/11/12		JRB	CT ETPH/8015
Identification	**		mg/Kg	05/11/12		JRB	CT ETPH/8015
OA/OC Surrogates							
% n-Pentacosane	Diluted Out		%	05/11/12		JRB	50 - 150 %
PCB (Soxhlet)							
PCB-1016	ND	1.7	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	1.7	mg/Kg	05/08/12		МН	3540C/8082
PCB-1232	ND	1.7	mg/Kg	05/08/12		МН	3540C/8082
PCB-1242	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	4.8	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
OA/OC Surrogates							
% DCBP	Diluted Out		%	05/08/12		MH	30 - 150 %
% TCMX	Diluted Out		%	05/08/12		MH	30 - 150 %
Polynuclear Aromatic HC							
2-Methylnaphthalene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Acenaphthene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Acenaphthylene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270

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Project ID: SATIN Phoenix I.D.: BB79939

Client ID: N-20 0.3-1

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Anthracene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Benz(a)anthracene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Benzo(a)pyrene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Benzo(b)fluoranthene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Benzo(ghi)perylene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Benzo(k)fluoranthene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Chrysene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Fluoranthene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Fluorene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Naphthalene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Phenanthrene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
Pyrene	ND	2.5	mg/Kg	05/10/12		DD	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	*Diluted Out		%	05/10/12		DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	05/10/12		DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	05/10/12		DD	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 15, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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^{*} Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

^{**}Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C12 to C28 range. The sample was quantitated against a C9-C36 standard.



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: **SOLID Location Code:** LBG-PCB

Rush Request:

Standard P.O.#:

Custody Information

Collected by:

Received by:

Analyzed by:

MS LB

05/01/12

11:48 05/02/12 14:55

Phoenix ID: BB79940

Date

see "By" below

Laboratory Data

SDG ID: GBB79929

Time

SATIN Project ID:

Client ID: N-20 1-1.5

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	91		%	05/02/12		JL	E160.3
Soil Extraction SVOA BN	Completed			05/09/12		RB/F	SW3545
Extraction of CT ETPH	Completed			05/09/12		BS/F	3545
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
TPH by GC (Extractable P	roducts)						
Ext. Petroleum HC	1100	110	mg/Kg	05/10/12		JRB	CT ETPH/8015
Identification	**		mg/Kg	05/10/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	Diluted Out		%	05/10/12		JRB	50 - 150 %
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.34	mg/Kg	05/08/12		МН	3540C/8082
PCB-1232	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
OA/QC Surrogates							
% DCBP	62		%	05/08/12		MH	30 - 150 %
% TCMX	66		%	05/08/12		MH	30 - 150 %
Polynuclear Aromatic HC							
2-Methylnaphthalene	ND	1.3	mg/Kg	05/10/12		DD	SW 8270
Acenaphthene	ND	1.3	mg/Kg	05/10/12		DD	SW 8270
Acenaphthylene	9.2	1.3	mg/Kg	05/10/12		DD	SW 8270

Page 23 of 36 Ver 1 Project ID: SATIN Phoenix I.D.: BB79940

Client ID: N-20 1-1.5

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Anthracene	11	1.3	mg/Kg	05/10/12		DD	SW 8270
Benz(a)anthracene	28	1.3	mg/Kg	05/10/12		DD	SW 8270
Benzo(a)pyrene	28	1.3	mg/Kg	05/10/12		DD	SW 8270
Benzo(b)fluoranthene	33	1.3	mg/Kg	05/10/12		DD	SW 8270
Benzo(ghi)perylene	9.2	1.3	mg/Kg	05/10/12		DD	SW 8270
Benzo(k)fluoranthene	14	1.3	mg/Kg	05/10/12		DD	SW 8270
Chrysene	24	1.3	mg/Kg	05/10/12		DD	SW 8270
Dibenz(a,h)anthracene	2.7	1.3	mg/Kg	05/10/12		DD	SW 8270
Fluoranthene	61	1.3	mg/Kg	05/10/12		DD	SW 8270
Fluorene	5	1.3	mg/Kg	05/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	8.6	1.3	mg/Kg	05/10/12		DD	SW 8270
Naphthalene	1.3	1.3	mg/Kg	05/10/12		DD	SW 8270
Phenanthrene	43	1.3	mg/Kg	05/10/12		DD	SW 8270
Pyrene	56	1.3	mg/Kg	05/10/12		DD	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	86		%	05/10/12		DD	30 - 130 %
% Nitrobenzene-d5	81		%	05/10/12		DD	30 - 130 %
% Terphenyl-d14	93		%	05/10/12		DD	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 15, 2012

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^{*} Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

^{**}Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

see "By" below

MS

LB

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID Location Code: LBG-PCB Rush Request: Standard

P.O.#:

Laboratory Data

Custody Information

Collected by:

Received by:

Analyzed by:

SDG ID: GBB79929

Time

15:10

14:55

Phoenix ID: BB79941

Date

05/01/12

05/02/12

Project ID: SATIN

Client ID: N-35 5.8-6

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	59 Completed		%	05/02/12 05/04/12		JL */*	E160.3 SW3540C
	Completed			03/04/12		,	30033400
PCB (Soxhlet)							
PCB-1016	ND	0.55	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.55	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.55	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.55	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.55	mg/Kg	05/08/12		МН	3540C/8082
PCB-1254	ND	0.55	mg/Kg	05/08/12		МН	3540C/8082
PCB-1260	ND	0.55	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.55	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.55	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	87		%	05/08/12		МН	30 - 150 %
% TCMX	90		%	05/08/12		МН	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB79941

Client ID: N-35 5.8-6

Parameter Result RL Units Date Time By Reference

Comments:

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May 15, 2012

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Custody Information
Collected by: MS

MS LB 05/01/12 05/02/12

Date

15:12 14:55

Time

see "By" below

Laboratory Data

Received by:

Analyzed by:

SDG ID: GBB79929

Phoenix ID: BB79942

Project ID: SATIN

Client ID: N-35 6.5-7

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	93 Completed		%	05/02/12 05/04/12		JL */*	E160.3 SW3540C
PCB (Soxhlet)	Completed			03/04/12		,	30000
PCB-1016	ND	0.35	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	63		%	05/08/12		MH	30 - 150 %
% TCMX	64		%	05/08/12		MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB79942

Client ID: N-35 6.5-7

Parameter Result RL Units Date Time By Reference

Comments:

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May 15, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: **SOLID Location Code:** LBG-PCB Rush Request: Standard

P.O.#:

Custody Information Collected by: MS 05/01/12

Received by: LB

Analyzed by: see "By" below

Laboratory Data

SDG ID: GBB79929 Phoenix ID: BB79943

Time

14:50

14:55

Date

05/02/12

SATIN Project ID:

N-36 0.3-0.6 Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	93		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	15	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	1.7	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	05/08/12		MH	30 - 150 %
% TCMX	Diluted Out		%	05/08/12		MH	30 - 150 %

Page 29 of 36 Ver 1 Project ID: SATIN Phoenix I.D.: BB79943

Client ID: N-36 0.3-0.6

Parameter Result RL Units Date Time By Reference

Comments:

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Phyllis/Shiller, Laboratory Director

May 15, 2012

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

Rush Request: P.O.#:

Custody Information
Collected by: MS

MS LB <u>Date</u> 05/01/12 05/02/12

14:52 14:55

Time

Analyzed by: see "By" below

Laboratory Data

Received by:

SDG ID: GBB79929

Phoenix ID: BB79944

Project ID: SATIN

Client ID: N-36 1-1.2

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	96		%	05/02/12		JL	E160.3
Soil Extraction SVOA BN	Completed			05/09/12		RB/F	SW3545
Extraction of CT ETPH	Completed			05/09/12		BS/F	3545
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
TPH by GC (Extractable Pr	roducts)						
Ext. Petroleum HC	ND	21	mg/Kg	05/11/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	05/11/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	130		%	05/11/12		JRB	50 - 150 %
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.33	mg/Kg	05/08/12		МН	3540C/8082
PCB-1232	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.33	mg/Kg	05/08/12		MH	3540C/8082
OA/OC Surrogates							
% DCBP	64		%	05/08/12		MH	30 - 150 %
% TCMX	69		%	05/08/12		МН	30 - 150 %
Polynuclear Aromatic HC							
2-Methylnaphthalene	ND	0.24	mg/Kg	05/10/12		DD	SW 8270
Acenaphthene	ND	0.24	mg/Kg	05/10/12		DD	SW 8270
Acenaphthylene	ND	0.24	mg/Kg	05/10/12		DD	SW 8270

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Project ID: SATIN Phoenix I.D.: BB79944
Client ID: N-36 1-1.2

RL Parameter Result Units Date Time By Reference ND 0.24 05/10/12 DD Anthracene mg/Kg SW 8270 Benz(a)anthracene ND 0.24 05/10/12 DD SW 8270 mg/Kg ND 0.24 05/10/12 Benzo(a)pyrene mg/Kg DD SW 8270 ND 0.24 05/10/12 DD Benzo(b)fluoranthene mg/Kg SW 8270 ND 0.24 Benzo(ghi)perylene mg/Kg 05/10/12 DD SW 8270 ND 0.24 Benzo(k)fluoranthene mg/Kg 05/10/12 DD SW 8270 ND 0.24 Chrysene 05/10/12 mg/Kg DD SW 8270 ND 0.24 05/10/12 Dibenz(a,h)anthracene mg/Kg DD SW 8270 Fluoranthene ND 0.24 mg/Kg 05/10/12 DD SW 8270 ND 0.24 05/10/12 Fluorene mg/Kg DD SW 8270 ND 0.24 mg/Kg 05/10/12 DD SW 8270 Indeno(1,2,3-cd)pyrene ND 0.24 05/10/12 DD Naphthalene mg/Kg SW 8270 ND Phenanthrene 0.24 05/10/12 mg/Kg DD SW 8270 ND 0.24 05/10/12 Pyrene mg/Kg DD SW 8270 **QA/QC Surrogates** 46 % 05/10/12 % 2-Fluorobiphenyl DD 30 - 130 % % Nitrobenzene-d5 56 % 05/10/12 30 - 130 % DD 55 % 05/10/12 % Terphenyl-d14 DD 30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 15, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID Location Code: LBG-PCB

Rush Request: Standard

P.O.#:

Custody Information
Collected by: MS

Received by: LB

Analyzed by: see "By" below

Laboratory Data

SDG ID: GBB79929

Time

14:54

14:55

Phoenix ID: BB79945

Date

05/01/12

05/02/12

Project ID: SATIN

Client ID: N-36 2-3

Extraction of CT ETPH	E160.3 SW3545 3545 SW3540C ETPH/8015 ETPH/8015 0 - 150 %
Extraction of CT ETPH	3545 6W3540C ETPH/8015 ETPH/8015 0 - 150 %
Extraction for PCB Completed 05/05/12 KDB/C/K STPH by GC (Extractable Products) Ext. Petroleum HC ND 22 mg/Kg 05/10/12 JRB CT Identification ND mg/Kg 05/10/12 JRB CT OA/OC Surrogates % n-Pentacosane 80 % 05/10/12 JRB 55 PCB (Soxhlet) PCB-1016 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1221 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1232 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1244 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1245 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 35	ETPH/8015 ETPH/8015 0 - 150 %
TPH by GC (Extractable Products) Ext. Petroleum HC ND 22 mg/Kg 05/10/12 JRB CT Identification ND mg/Kg 05/10/12 JRB CT OA/OC Surrogates % n-Pentacosane 80 % 05/10/12 JRB 5 PCB (Soxhlet) PCB-1016 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1221 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1232 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH <td< td=""><td>ETPH/8015 ETPH/8015 0 - 150 %</td></td<>	ETPH/8015 ETPH/8015 0 - 150 %
Ext. Petroleum HC ND 22 mg/Kg 05/10/12 JRB CT Identification ND mg/Kg 05/10/12 JRB CT OA/OC Surrogates " Surrogates % n-Pentacosane 80 % 05/10/12 JRB 5 PCB-1016 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1221 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1232 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	ETPH/8015 0 - 150 %
Identification	ETPH/8015 0 - 150 %
OA/OC Surrogates % n-Pentacosane 80 % 05/10/12 JRB 5 PCB (Soxhlet) PCB-1016 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1221 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1232 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	0 - 150 %
PCB (Soxhlet) ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1016 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1221 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1232 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	
PCB (Soxhlet) PCB-1016 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1221 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1232 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	
PCB-1016 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1221 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1232 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	540C/8082
PCB-1221 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1232 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	540C/8082
PCB-1232 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	
PCB-1242 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	540C/8082
PCB-1248 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	540C/8082
PCB-1254 ND 0.38 mg/Kg 05/07/12 MH 38 mg/Kg PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 38 mg/Kg PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38 mg/Kg	540C/8082
PCB-1260 ND 0.38 mg/Kg 05/07/12 MH 35 PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 35	540C/8082
PCB-1262 ND 0.38 mg/Kg 05/07/12 MH 38	540C/8082
3 3	540C/8082
DOD 40/0	540C/8082
PCB-1268 ND 0.38 mg/Kg 05/07/12 MH 35	540C/8082
QA/QC Surrogates	
% DCBP 88 % 05/07/12 MH 3	0 - 150 %
% TCMX 88 % 05/07/12 MH 3	0 - 150 %
Polynuclear Aromatic HC	
2-Methylnaphthalene ND 0.27 mg/Kg 05/10/12 DD	SW 8270
Acenaphthene 0.52 0.27 mg/Kg 05/10/12 DD	SW 8270
Acenaphthylene 0.47 0.27 mg/Kg 05/10/12 DD	SW 8270

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Project ID: SATIN Phoenix I.D.: BB79945

Client ID: N-36 2-3

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Anthracene	2	0.27	mg/Kg	05/10/12		DD	SW 8270
Benz(a)anthracene	5.8	0.27	mg/Kg	05/10/12		DD	SW 8270
Benzo(a)pyrene	4.9	0.27	mg/Kg	05/10/12		DD	SW 8270
Benzo(b)fluoranthene	6.4	0.27	mg/Kg	05/10/12		DD	SW 8270
Benzo(ghi)perylene	1.8	0.27	mg/Kg	05/10/12		DD	SW 8270
Benzo(k)fluoranthene	1.6	0.27	mg/Kg	05/10/12		DD	SW 8270
Chrysene	5.1	0.27	mg/Kg	05/10/12		DD	SW 8270
Dibenz(a,h)anthracene	0.59	0.27	mg/Kg	05/10/12		DD	SW 8270
Fluoranthene	15	0.27	mg/Kg	05/10/12		DD	SW 8270
Fluorene	0.76	0.27	mg/Kg	05/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	1.8	0.27	mg/Kg	05/10/12		DD	SW 8270
Naphthalene	0.31	0.27	mg/Kg	05/10/12		DD	SW 8270
Phenanthrene	12	0.27	mg/Kg	05/10/12		DD	SW 8270
Pyrene	14	0.27	mg/Kg	05/10/12		DD	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	64		%	05/10/12		DD	30 - 130 %
% Nitrobenzene-d5	74		%	05/10/12		DD	30 - 130 %
% Terphenyl-d14	83		%	05/10/12		DD	30 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 15, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 15, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Custody InformationDateCollected by:MS05/01/12Received by:LB05/02/12

Analyzed by: see "By" below

Laboratory Data

SDG ID: GBB79929

Time

14:56

14:55

Phoenix ID: BB79946

Project ID: SATIN

Client ID: N-36 5-6

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	88		%	05/02/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	94		%	05/07/12		MH	30 - 150 %
% TCMX	84		%	05/07/12		MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB79946

Client ID: N-36 5-6

Parameter Result RL Units Date Time By Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 15, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

% DCBP (Surrogate Rec)

93

OA/OC Data

May 15, 2012		QA/QC Dat	<u>:a</u>			SDO	G I.D.:	GBB79	9929	
Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 200092, QC	Sample No: BB79915 (E	3B79929, BB79930, BB7	9931, B	B79932	, BB79	933, BB	379934)			
Polychlorinated Biph			•		•	·	,			
PCB-1016	ND	99	99	0.0	90	97	7.5	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	93	94	1.1	*	*	NC	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	103	89	92	3.3	71	74	4.1	30 - 150	30	
% TCMX (Surrogate Rec)	110	79	77	2.6	78	84	7.4	30 - 150	30	
Comment:										
* The batch MS and MSD rec within QA/QC limits.	overies could not be calcula	ated due to the presence of I	PCB in the	e unspik	ed samp	ole. LCS/	LCSD re	ecoveries w	vere	
QA/QC Batch 200093, QC BB79942, BB79943, BB79		BB79935, BB79936, BB7	9937, B	B79938	, BB79	939, BB	379940,	BB79941	Ι,	
Polychlorinated Biphe	enyls - Solid									
PCB-1016	ND	102	97	5.0	90	95	5.4	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	106	100	5.8	88	110	22.2	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	114	117	113	3.5	74	76	2.7	30 - 150	30	
% TCMX (Surrogate Rec)	92	91	89	2.2	85	87	2.3	30 - 150	30	
QA/QC Batch 200052, QC	Sample No: BB82196 (E	3B79945, BB79946)								
Polychlorinated Biph										
PCB-1016	ND	100	101	1.0	120	128	6.5	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	98	100	2.0	111	114	2.7	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	

79

79

0.0 105 110

4.7

30 - 150

30

QA/QC Data

SDG I.D.: GBB79929

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% TCMX (Surrogate Rec)	96	80	80	0.0	87	91	4.5	30 - 150	30	
QA/QC Batch 200234, QC	Sample No: BB83135 (BB7993	39, BB79940, BB7	9944, BI	B79945	5)					
TPH by GC (Extracta			•		,					
Ext. Petroleum HC	ND	101	105	3.9	107	153	35.4	50 - 150	30	m.r
% n-Pentacosane	102	108	113	4.5	125	174	32.8	50 - 150	30	m,r
OA/OC Batch 200239 OC	Sample No: BB83320 (BB7993	89 BB79940 BB79	9944 BI	B79945	<i>(</i>)					
Polynuclear Aromatic		,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , ,	577710	·)					
2-Methylnaphthalene	ND	83	83	0.0	91	78	15.4	30 - 130	30	
Acenaphthene	ND	81	81	0.0	84	79	6.1	30 - 130	30	
Acenaphthylene	ND	83	82	1.2	83	79	4.9	30 - 130	30	
Anthracene	ND	87	90	3.4	90	85	5.7	30 - 130	30	
Benz(a)anthracene	ND	88	88	0.0	90	85	5.7	30 - 130	30	
Benzo(a)pyrene	ND	80	80	0.0	82	77	6.3	30 - 130	30	
Benzo(b)fluoranthene	ND	96	90	6.5	99	86	14.1	30 - 130	30	
Benzo(ghi)perylene	ND	81	87	7.1	93	92	1.1	30 - 130	30	
Benzo(k)fluoranthene	ND	90	93	3.3	92	84	9.1	30 - 130	30	
Chrysene	ND	80	82	2.5	83	80	3.7	30 - 130	30	
Dibenz(a,h)anthracene	ND	93	98	5.2	103	100	3.0	30 - 130	30	
Fluoranthene	ND	86	91	5.6	109	102	6.6	30 - 130	30	
Fluorene	ND	92	89	3.3	98	93	5.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	89	93	4.4	99	96	3.1	30 - 130	30	
Naphthalene	ND	86	86	0.0	90	75	18.2	30 - 130	30	
Phenanthrene	ND	87	88	1.1	91	87	4.5	30 - 130	30	
Pyrene	ND	90	94	4.3	120	112	6.9	30 - 130	30	
% 2-Fluorobiphenyl	71	76	75	1.3	70	69	1.4	30 - 130	30	
% Nitrobenzene-d5	77	84	86	2.4	83	77	7.5	30 - 130	30	
% Terphenyl-d14	93	110	116	5.3	139	130	6.7	30 - 130	30	m

m = This parameter is outside laboratory ms/msd specified recovery limits. r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

May 15, 2012

BB79940

BB79940

LBG-PCB

LBG-PCB

\$8100SMR

\$8100SMR

Fluoranthene

Pyrene

ug/Kg

ug/Kg

5600

4000

Sample Criteria Exceedences Report

r desday, iv	lay 13, 2012		Sai	mpie Cr	ite	ria Exceedences	Report				'	rage rors
Request	ed Criteria: GA	AM, RC		•		GBB79929	•				Factored	
				Criteria						Factored	RL	Analysis
SampNo	LocCode	Acode	Phoenix Analyte	Units	ST	State Category	Criteria Name	Result	RL	Criteria	Criteria	Units
BB79934	LBG-PCB	\$PCB_SOXR	PCB-1016	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79934	LBG-PCB	\$PCB_SOXR	PCB-1221	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79934	LBG-PCB	\$PCB_SOXR	PCB-1232	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79934	LBG-PCB	\$PCB_SOXR	PCB-1242	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79934	LBG-PCB	\$PCB_SOXR	PCB-1248	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79934	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79934	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	18000	1700	1000	1000	ug/Kg
BB79934	LBG-PCB	\$PCB_SOXR	PCB-1262	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79934	LBG-PCB	\$PCB_SOXR	PCB-1268	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	2-Methylnaphthalene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	2500	980	980	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Benz(a)anthracene	mg/kg	СТ	Semivolatile Organic Comp	RES DEC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Chrysene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Benzo(b)fluoranthene	mg/kg	CT	0 1	GA/GAA PMC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Benzo(b)fluoranthene	mg/kg	СТ	Semivolatile Organic Comp	RES DEC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Benzo(k)fluoranthene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Benzo(a)pyrene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Benzo(a)pyrene	mg/kg	СТ	Semivolatile Organic Comp	RES DEC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Indeno(1,2,3-cd)pyrene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Indeno(1,2,3-cd)pyrene	mg/kg	СТ	Semivolatile Organic Comp	RES DEC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Dibenz(a,h)anthracene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$8100SMR	Dibenz(a,h)anthracene	mg/kg	СТ	Semivolatile Organic Comp	RES DEC (mg/kg)	ND	2500	1000	1000	ug/Kg
BB79939	LBG-PCB	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	СТ	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	7700	220	500	500	mg/Kg
BB79939	LBG-PCB	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	7700	220	500	500	mg/Kg
BB79939	LBG-PCB	\$PCB_SOXR	PCB-1016	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79939	LBG-PCB	\$PCB_SOXR	PCB-1221	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79939	LBG-PCB	\$PCB_SOXR	PCB-1232	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79939	LBG-PCB	\$PCB_SOXR	PCB-1242	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79939	LBG-PCB	\$PCB_SOXR	PCB-1248	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79939	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79939	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	4800	1700	1000	1000	ug/Kg
BB79939	LBG-PCB	\$PCB_SOXR	PCB-1262	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79939	LBG-PCB	\$PCB_SOXR	PCB-1268	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	2-Methylnaphthalene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	1300	980	980	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Acenaphthylene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	9200	1300	8400	8400	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Phenanthrene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	43000	1300	4000	4000	ug/Kg
		*										

mg/kg CT Semivolatile Organic Comp

mg/kg CT Semivolatile Organic Comp

GA/GAA PMC (mg/kg)

GA/GAA PMC (mg/kg)

61000

56000

1300

1300

5600

4000

Sample Criteria Exceedences Report

Requested Criteria:	GAM. RC
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Request	eu Cilleria. GA	NIVI, RC				GBB79929					Factored	
SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	RL Criteria	Analysis Units
BB79940	LBG-PCB	\$8100SMR	Benz(a)anthracene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	28000	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Benz(a)anthracene	mg/kg	СТ	Semivolatile Organic Comp	RES DEC (mg/kg)	28000	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Chrysene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	24000	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Benzo(b)fluoranthene	mg/kg	СТ	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	33000	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	33000	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Benzo(k)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	14000	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Benzo(k)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	14000	1300	8400	8400	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	28000	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	28000	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Indeno(1,2,3-cd)pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	8600	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Indeno(1,2,3-cd)pyrene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	8600	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Dibenz(a,h)anthracene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	2700	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Dibenz(a,h)anthracene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	2700	1300	1000	1000	ug/Kg
BB79940	LBG-PCB	\$8100SMR	Benzo(ghi)perylene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	9200	1300	4200	4200	ug/Kg
BB79940	LBG-PCB	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	1100	110	500	500	mg/Kg
BB79940	LBG-PCB	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	1100	110	500	500	mg/Kg
BB79943	LBG-PCB	\$PCB SOXR	PCB-1016	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79943	LBG-PCB	\$PCB_SOXR	PCB-1221	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79943	LBG-PCB	\$PCB SOXR	PCB-1232	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79943	LBG-PCB	\$PCB SOXR	PCB-1242	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79943	LBG-PCB	\$PCB SOXR	PCB-1248	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79943	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79943	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	15000	1700	1000	1000	ug/Kg
BB79943	LBG-PCB	\$PCB_SOXR	PCB-1262	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79943	LBG-PCB	\$PCB_SOXR	PCB-1268	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1700	1000	1000	ug/Kg
BB79945	LBG-PCB	\$8100SMR	Phenanthrene	m m/l.m	СТ	Cominciatile Organia Comp		12000	270	4000	4000	/// ~
BB79945	LBG-PCB	\$8100SMR	Fluoranthene	mg/kg mg/kg	CT CT	Semivolatile Organic Comp Semivolatile Organic Comp	GA/GAA PMC (mg/kg) GA/GAA PMC (mg/kg)	15000	270	5600	5600	ug/Kg ug/Kg
BB79945	LBG-PCB	\$8100SMR	Pyrene		CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	14000	270	4000	4000	
BB79945	LBG-PCB	\$8100SMR	Benz(a)anthracene	mg/kg mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	5800	270	1000	1000	ug/Kg ug/Kg
BB79945	LBG-PCB	\$8100SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	5800	270	1000	1000	ug/Kg ug/Kg
BB79945	LBG-PCB	\$8100SMR	Chrysene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	5100	270	1000	1000	ug/Kg
BB79945	LBG-PCB	\$8100SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	6400	270	1000	1000	ug/Kg
BB79945	LBG-PCB	\$8100SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	6400	270	1000	1000	ug/Kg
BB79945	LBG-PCB	\$8100SMR	Benzo(k)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1600	270	1000	1000	ug/Kg
BB79945	LBG-PCB	\$8100SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	4900	270	1000	1000	ug/Kg ug/Kg
BB79945	LBG-PCB	\$8100SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	4900	270	1000	1000	ug/Kg
BB79945	LBG-PCB	\$8100SMR	Indeno(1,2,3-cd)pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1800	270	1000	1000	ug/Kg
BB79945	LBG-PCB	\$8100SMR	Indeno(1,2,3-cd)pyrene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	1800	270	1000	1000	ug/Kg
22,0040		φο 100 0 (γι) (mg/ng	٠.	Comp	. Lo Deo (mg/kg)	.000	_, 0	.000	. 500	~9,1 . 9

Tuesday, May 15, 2012

Requested Criteria: GAM, RC

Sample Criteria Exceedences Report

GBB79929

Factored

Page 3 of 3

RL Criteria Factored Analysis SampNo LocCode Acode Phoenix Analyte Units ST State Category Criteria Name Result RLCriteria Criteria Units

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. Client: LBG-PCB Project Location: SATIN **Project Number:** Laboratory Sample ID(s): BB79929, BB79930, BB79931, BB79932, BB79933, BB79934, BB79935, BB79936, BB79937, BB79938, BB79939, BB79940, BB79941, BB79942, BB79943, BB79944, BB79945, BB79946 **Sampling Date(s):** 5/1/2012 **RCP Methods Used:** 1311/1312 6010 7000 7196 ☐ EPH TO15 7470/7471 ✔ 8082 **✓** 8270 **✓** ETPH 9010/9012 ☐ VPH 8260 8151 For each analytical method referenced in this laboratory report package, were all ✓ Yes □ No specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP methodspecific Reasonable Confidence Protocol documents? Were the method specified preservation and holding time requirements met? 1a. ✓ Yes □ No EPH and VPH methods only: Was the VPH or EPH method conducted without 1b. ☐ Yes ☐ No **✓** NA significant modifications (see section 11.3 of respective RCP methods) 2. Were all samples received by the laboratory in a condition consistent with that ✓ Yes No described on the associated Chain-of-Custody document(s)? Were samples received at an appropriate temperature (< 6 Degrees C)? 3. ✓ Yes □ No \square NA Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol 4. ✓ Yes □ No documents achieved? Were reporting limits specified or referenced on the chain-of-custody? 5a. ✓ Yes □ No Were these reporting limits met? 5b. ☐ Yes **☑** No \square NA For each analytical method referenced in this laboratory report package, were results 6. ✓ Yes □ No \square NA reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set? ✓ Yes □ No \square NA Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Date: Tuesday, May 15, 2012 Authorized Printed Name: Greg Lawrence Signature:

Position: Assistant Lab Director



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

May 15, 2012

SDG I.D.: GBB79929

8270 Semi-volatile Organics:

Only the PAH constituents are reported as requested on the chain-of-custody.

Due to the concentration of target and non-target compounds not all of the requested criteria could be achieved.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid1 05/10/12-3 (BB79940)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko **Position:** Chemist **Date:** 5/10/2012

Instrument: Au-fid1 05/11/12-2 (BB79939)

 $Initial\ Calibration\ (FID1-ETPH_1)-The\ initial\ calibration\ curve\ was\ within\ method\ criteria\ and\ had\ a\ \%RSD\ less\ than\ 30\%.$

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko Position: Chemist Date: 5/11/2012

Instrument: <u>Au-xl1 05/10/12-2 (BB79945)</u>

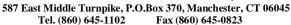
Initial Calibration (FIDXL1 ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko Position: Chemist Date: 5/10/2012







RCP Certification Report

May 15, 2012

SDG I.D.: GBB79929

Instrument: Au-xl1 05/11/12-2 (BB79944)

Initial Calibration (FIDXL1 ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

Printed Name Jeff Bucko
Position: Chemist
Date: 5/11/2012

QC (Batch Specific)

----- Sample No: BB83135, QA/QC Batch: 200234 -----

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PAH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem06 05/09/12-1 (BB79939, BB79945)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem06/BN_0501):

Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: None

The following compounds failed to meet the minimum required response factor: None

Continuing Calibration:

Greater than 80% of target compounds met continuing calibration criteria with a D < 20. The following compounds had > 20% difference from the initial calibration: None.

Printed Name Damien Drobinski

Position: Chemist **Date:** 5/9/2012

Instrument: Chem06 05/10/12-1 (BB79939, BB79940, BB79944, BB79945)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem06/BN_0501):



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RCP Certification Report

May 15, 2012

SDG I.D.: GBB79929

Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: None

The following compounds failed to meet the minimum required response factor: None

Continuing Calibration:

Greater than 80% of target compounds met continuing calibration criteria with a D < 20. The following compounds had > 20% difference from the initial calibration: None.

Printed Name Damien Drobinski

Position: Chemist **Date:** 5/10/2012

QC (Batch Specific)

----- Sample No: BB83320, QA/QC Batch: 200239 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd35 05/07/12-1 (BB79932, BB79933)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/7/2012

Instrument: Au-ecd5 05/07/12-1 (BB79945, BB79946)

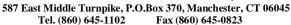
8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/7/2012







RCP Certification Report

May 15, 2012

SDG I.D.: GBB79929

Instrument: Au-ecd5 05/08/12-1 (BB79937)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/8/2012

Instrument: <u>Au-ecd5 05/09/12-1 (BB79937)</u>

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/9/2012

Instrument: Au-ecd7 05/08/12-1 (BB79934, BB79935, BB79937, BB79938, BB79939, BB79940,

BB79941, BB79942, BB79943, BB79944)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist 5/8/2012

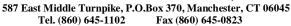
Instrument: Au-ecd8 05/09/12-1 (BB79936)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none







RCP Certification Report

May 15, 2012

SDG I.D.: GBB79929

Printed Name Michael Hahn Position: Chemist Date: 5/9/2012

QC Batch 00092 05/07/12 (BB79929, BB79930, BB79931, BB79932, BB79933,

BB79934)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC (Site Specific)

----- Sample No: BB79937, QA/QC Batch: 200093 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

----- Sample No: BB79915, QA/QC Batch: 200092 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

------ Sample No: BB82196, QA/QC Batch: 200052 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.



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RCP Certification Report

May 15, 2012

SDG I.D.: GBB79929

Instrument: Chem09 05/09/12-1 (BB79940, BB79944)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem09/sv_0427):

Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: 4-chloroaniline, Hexachlorocyclopentadiene, 2,4-dinitrophenol

The following compounds failed to meet the minimum required response factor: Hexachlorobenzene

Continuing Calibration:

Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compunds had >20% difference from the initial calibration: Benzaldehyde, Hexachlorocyclopentadiene, Pentachlorophenol

Printed Name Damien Drobinski

Position: Chemist **Date:** 5/9/2012

Additional 8270 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

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DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other Date Sampled 5-1-12 Date: Client Sample - Information - Identification Sample Matrix 0 Sampler's Millanil Shiper K N-35 (5.8-6) Customer Sample LBG, Inc PHOENIX USE ONLY SAMPLE # ZhbbL Customer: Address: 10bbL

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State where samples were collected:

* SURCHARGE APPLIES

Bobbi - Phoenixlabs

Darrick Jones [djones@lbgct.com] From:

Wednesday, May 09, 2012 10:46 AM Sent:

To: clientservices@phoenixlabs.com

Cc: Bobbi - Phoenixlabs

Subject: RE: Phoenix Labs - GBB79929, SATIN - COC Acknowledgement

Please Add PAHs and ETPH as follows:

N-20 (0.3-1) - 79939 N-20 (1-1.5) - 79940

N-36 (1-1.2) - 79944

N-36 (2-3) - 79945

From: clientservices@phoenixlabs.com [mailto:clientservices@phoenixlabs.com]

Sent: Thursday, May 03, 2012 2:41 PM

To: Darrick Jones

Subject: Phoenix Labs - GBB79929, SATIN - COC Acknowledgement

Darrick,

Delivery group GBB79929 (SATIN) has been logged in for the following samples:

	1
Phoenix Id	Client Id
BB79929	N-17 0-1
BB79930	N-17 1-2
BB79931	N-17 5-6
BB79932	N-17 6-7
BB79933	N-18 0-1
BB79934	N-18 1-2
BB79935	N-18 2-2.5
BB79936	N-18 5-5.4
BB79937	N-19 0.4-1
BB79938	N-19 5-5.5
BB79939	N-20 0.3-1
BB79940	N-20 1-1.5
BB79941	N-35 5.8-6
BB79942	N-35 6.5-7
BB79943	N-36 0.3-0.6
BB79944	N-36 1-1.2
BB79945	N-36 2-3
BB79946	N-36 5-6